



Handwritten notes: *7/16/02*, *DB*, *10/16/02*, *(NE)*

Atty. Docket No.: 25436/1560 PATENT  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Sorge, et al.  
Serial No.: 09/698,341  
Filed: October 27, 2000  
Entitled: "Compositions and Methods Utilizing DNA Polymerases"

Examiner: Hutson, R.  
Group Art Unit: 1652  
Conf. No.: 6038

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a**

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Washington, D.C. 20231

**AMENDMENT UNDER 37 C.F.R. §1.116**

Sir:

This is filed in response to the Final Office Action mailed May 7, 2002 in the above-noted patent application. Kindly enter the following proposed amendments and remarks:

In the Claims:

Please enter the following proposed amendments.

Please replace claims 10 and 88 with amended claims 10 and 88 as follows:

10. (Twice Amended) An isolated recombinant Family B DNA polymerase having reduced discrimination against non-conventional nucleotides, wherein said DNA polymerase has a mutation in the Region II consensus sequence DXXSLYPSII.

88. (Amended) An isolated recombinant Family B DNA polymerase from *Thermococcus* species JDF-3 that comprises an alanine to threonine mutation at a site corresponding to A485 of SEQ ID NO: 2.